Bob,

ASCII KEYBOARD ADD-ON

   The wiring for the UART shown in the diagram is correct. Pin #33 is shown grounded twice (once is enough). The connection to the cassette interface will probably work. However, it is not good practice to tie IC outputs together and could cause erratic operation. A better design would isolate the tape and keyboard functions with a switch.
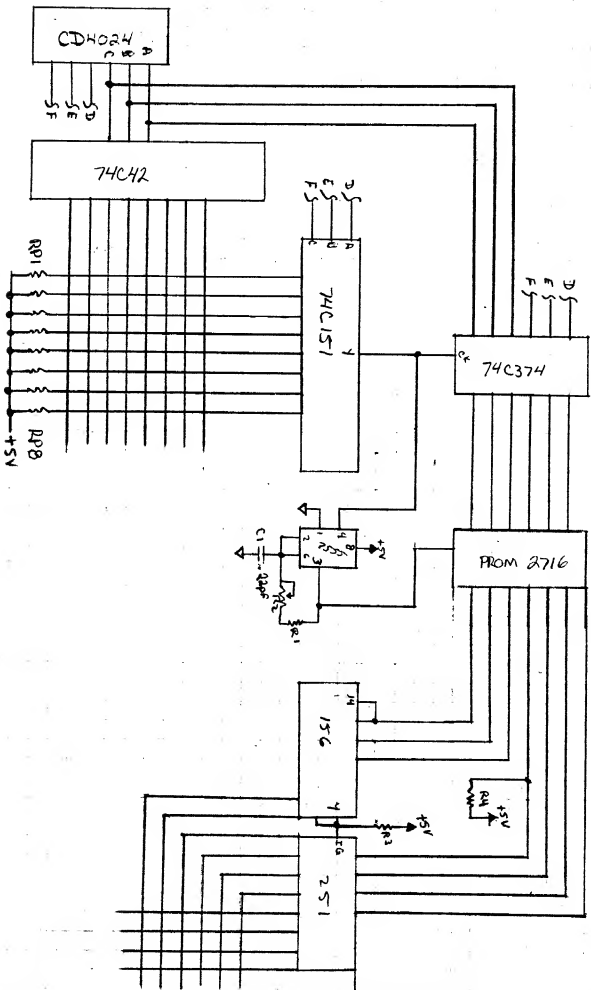
1K STATIC RAM EXPANSION

   This is an excellent way to get another thousand bytes of memory. I have a very similar plug-on for my system. The only significant difference is that mine has a dip switch for selecting the base address.

                            Al

Keyboard I/F

12/15/82

Robert Fabris
3626 Morrie Drive.
San Jose, CA. 95127

Dear Robert,

I just received the December issue of the Arcadian and noticed the article "Slap on a Keyboard". Well I built a key board that connects via 10 wires in parallel with the Bally keyboard.

It is a relay operated unit using it's own 5vdc power supply and is isolated from the Bally via the relay contacts. You need only operate one key for letters, words still need two key's, a shift and word key. It cost me about $150.00 in parts to make it. I had tried to sell it in the Michigan newsletter with no luck.

I WAS ASKING $100.00 FOR IT
OR SOMEONE TO MAKE AN OFFER.
IF YOU KNOW OF ANYONE THAT
WOULD BE INTERESTED OR IF YOU
HAVE ANY QUESTIONS YOURSELF PLEASE
CALL OR WRITE.

SINCERELY,

MICHAEL PAWLOWSKI
9294 QUANDT
ALLEN PARK, MICH. 48101
(313) 388-2162.

P.S. I CAN NOT BELIEVE THE IDEA I
USED COULDN'T BE USED USING A
SMALL PROCESSOR TO DO THE SAME
THING.

- ALSO THIS ADD-ON KEYBOARD DOES
NOT INTERFER WITH THE NORMAL
KEY PAD FOR GAMES.

ARCADIAN
BOB FABRIS
3626 MORRIS Dr.
SAN JOSE, CA. 95127

3.11

Hi Bob

I received your Last issue (Vol 3. No 10) raTher cheweDup & sTotch TapeD wiTh The words sTampeD on iT, DAMAGED By CANCELLING MACHINE.

PLEASE send me anoTher copy To replace iT since I keep a file of all The issues.

EncloseD is a paymenT for PosTaqe & handling ALSO I WANT to Thank You for the help in qeTTing my Full-sizeD KeyboarD operaTional. Thank Mr. RaThNell (sic?) for his paTience in really helpiuq me. (in operaTion for over 1 monTh)

I EncloseD a LiTTle more DeTaileD Diagram of the KeyboarD CircuiTry since you menTioned you couIDNT qeT yours workinq either. Pay ATTenTion To The ProgrammeD UART FormaT Pins (34-38) ALso The serial ouTpuT LINE. MiNe had to reduceD (be) From 2.2K To 1.2-1.5K resisTance To work.

ALL FuncTions work properly (Bally Basic funcTions) excepT Four. These are HaIT, Pause, GO+10 aND ErasE. This LasT one is imporTanT for erasing (Back SPace) mis-Takes wiThouT rewriTing The insTrucTion LINE all over aqain, Especially Lonq oNes.

The Diode CircuiTry Add on will qive you Erase using Two Keys ATonce meThod. (Like The record feaTure on a casseTTe To prevenT accidental Erasure)

They may a AuTomaTic way of doinq This, BUT since I was anxious To use The Key boarD, I useD shorTcuTs.

The AuTo-reseT circuiT (or manual) ELiminaTes a ? mark on FirsT enTry ALTho (sic) oTher sTeps can be useD To correcT This Probelm (Erase) This happens oNLy on 1sT ENTry, afTer ThaT you are on your way. (ON Power-up-Turn on 5v supply)

I DeriveD Power & CasseTTe inTerface Thru a HaND-conTroll-er Cable wiThouT any ADverse EffecTs. ALL The circuiTry (PoTS. UART D-D ConverTer, swiTches, eTc.) Are ENCLOSED iN The e-KeyboarD CabineT. The Cable PluqsiNAT The rear. IF you have any CommenTs abouT This ProjecT CONTACT me afTer 8:00PM or write.

PH: (415) 826-0718

P.S. Excuse The misTakes

Roy Dal PoqqeTTo
57 JERSEY ST.
SAN FRANCISCO, CA
94114